

Agency: Commerce, Community and Economic Development**Grants to Municipalities (AS 37.05.315)****Grant Recipient: Emmonak****Project Title:**

Emmonak - Road Improvements

State Funding Requested: \$ 1,000,000**House District: 39 - T**

Future Funding May Be Requested

Brief Project Description:

Project will upgrade local roads and access new housing development.

Funding Plan:**Total Cost of Project: \$1,000,000**Funding SecuredOther Pending RequestsAnticipated Future Need

Amount FY

Amount FY

Amount FY

There is no other funding needed

Detailed Project Description and Justification:

Project will upgrade existing roads and expansion to new housing development. See attached

Project Timeline:

\$1,000,000 FY 09 Construction

Entity Responsible for the Ongoing Operation and Maintenance of this Project:

City of Emmonak

Grant Recipient Contact Information:

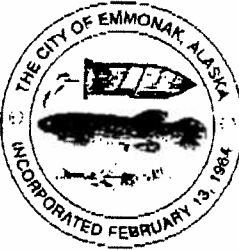
Contact Name: Martin Moore, City Manager

Phone Number: (907) 949-1227

Address: P.O. Box 9, Emmonak, Ak 99581

Email: emkcity@unicorn-alaska.com

Has this project been through a public review process at the local level and is it a community priority? ☒ Yes ☐ No



City of Emmonak

P.O. Box 9, Emmonak, Alaska 99581
(907) 949-1227 • (907) 949-1249 • Fax (907) 949-1926
email: emkcity@unicom-alaska.com

Senator Donny Olson
State Capitol Building
Room # 514
Juneau, AK 99801

March 28, 2008

RE: Alaska State Appropriation \$1.5 Million

Dear Honorable Senator,

The Emmonak Community Local Service roads, new construction for the new housing project and Water/Sewer service expansion is the most important aspect of the complex road proposal for Emmonak.

The current estimate provided by Emmonak Tribal Council, Bristol Environmental and Engineering Services is \$9.4 million dollars. The Emmonak City Council has endorsed these cost estimates to be in true value and therefore has submitted Resolution #07-07 asking the State \$5.5 million for Road Construction.

Since all money for Road Construction is not all available we are dividing the Emmonak Road project to three phases so immediate need for Capital improvement monies will be proportion out into three years.

With the authority vested into the City Manager form of Government to authorize decision. The City is happy to reduce 2008 appropriation request from \$5.5 million to \$1.5 million for 2008/2009 construction.

The Community of Emmonak and the City Council appreciates your full support on these vital and most essential projects.

Respectfully

Martin B. Moore, Sr.
City Manager
City of Emmonak

Enclosed, For your immediate disposal of information, please find Resolution #07-07 City of Emmonak. The Bristol Environmental and Engineering Construction cost estimates to \$9.4 million and the City of Emmonak compromise 2008/2009 at \$1.5 million in the letter to State Senator Donny Olson.



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RESOLUTION # 07-07

Prioritizing Emmonak Road System

A RESOLUTION BY THE CITY OF EMMONAK TO SUPPORT PRIORITIZATION OF LOCAL ROAD IMPROVEMENTS, THE LANDFILL ROAD AND COMMUNITY TRIBAL COUNCIL IRR LATEST INVENTORY PRINTOUT PROPOSED BY BUREAU OF INDIAN AFFAIRS DEPARTMENT OF TRANSPORTATION AND BY THE STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES (DOT/PF).

WHEREAS, Emmonak Community improvements road requests have been reviewed, supported, enacted, testified to: and,

WHEREAS; the Department of Transportation and Public Facilities (DOT/PF), will complete design and construction of the Community Road Improvements Project and implement Emmonak Tribal Council IRR latest inventory printout, and,

WHEREAS; the Community Teleconference, May 04, 2007, collectively participated identifying and prioritizing Emmonak Road System; and,

WHEREAS; Emmonak Corporation entity, Emmonak City Council, Emmonak Tribal, and Native Village of Chuloonawick, the state government and federal governments agencies listened and witnessed to all transaction and comments;

NOW THEREFORE BE IT RESOLVED, that the Community and City of Emmonak and Emmonak Tribal, support prioritization of Community Tribal Council IRR latest inventory print out proposed by Bureau of Indian Affairs, Department of Transportation and Public Facilities to recognize the following community priority list:

1. Delta Street 5th to 10th Street and Emmonak Street
2. Emmonak Subdivision Road
3. Delta Street-- UpperEnd of Delta Street--- up town: 3rd, 2nd, 1st.
4. 4th Street
5. 3rd Street
6. 2nd Street
7. 1st Street
8. 6th Street
9. 7th, 8th, 9th, 10th Streets

BE IT FURTHER RESOLVED, that the remaining BIA IRR inventory printout construction planning and design work continue and funding from IRR high priority project to be exerted to the highest level as possible

BE IT FURTHER RESOLVED, THAT Honorable State Senator Donald Olson and Honorable State House Representative, Richard Foster, through and with the auspices of Honorable Governor Sara Palin to provide the additional funding required to complete Emmonak road system identified in the Emmonak Tribal IRR latest inventory printout of Bureau of Indian Affairs. The amount requested of funding is Five-Million, & Five Hundred Thousand Dollars (\$ 5,500.000)

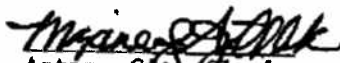
BE IT FURTHER RESOLVED, this is an Resolution # 07-07, of the City of Emmonak, Amend's the Resolution # 07-06, Prioritizing Emmonak Road System, passed and approved by City Council of Emmonak Alaska on 8th, May 2007.

PASSED AND APPROVED, by a duly constituted quorm of the Emmonak City Council, by a poll-vote, of the City of Emmonak, Alaska, this 29th, day of October, 2007, by a vote of 6, in favor , against, 1 absent and , , excused.

SIGNED:


Jacob Redfox-- Mayor

ATTEST:


Acting City Clerk
Maxine Agathluk



111 W. 16th Avenue, Suite 301
Anchorage, AK 99501-5109
907-563-0013 Phone
907-563-6713 Fax

MEMO

Date: March 22, 2006
To: File
From: Tadd Isaacson, P.E. and Tim Grier, P.E., Project Manager
Re: Emmonak Road Project – Scope of Work

Scope of Work

The ETC proposes to construct a new access road to a new landfill site, construct new roads to access the Emmonak Townsite additions 1 and 3, and rehabilitate and resurface existing local service roads. The community roads would have a 20 to 24-foot wide traveling surface, with a 6-inch crushed surface course. Side slopes would be 3 to 1, and would be seeded to stabilize the embankment after construction. Typical road sections for community roads are illustrated on the attached Sheet E1.

The Landfill Road would have a 18-foot wide traveling surface, with a 12-inch (3" minus surface course) applied to the silty sand embankment. Side slopes would be 4 to 1, and would be seeded to stabilize the embankment after construction. Silty sand from a local source would be used for the embankment. The surface course would be barged in from an existing source. A typical road section for the Landfill Road is illustrated on the attached Sheet E1.

Resurfacing would consist of scarifying and leveling the road surface, adding a 6-inch crushed surface course, and seeding the side slopes to stabilize the embankment. Culverts would be added or replaced as necessary to improve drainage. Some existing roads do not require base course, and will only need a crushed surface course. The typical road sections are illustrated on the attached Sheet E1.

To improve needed access to important public facilities, a number of existing roads in the community would be rehabilitated, including Yukon Way, Delta Street, Kwiguk Street, 5th Street, Emmonak Road, and Emmonak Frontage Road (see sheet L1). Road rehabilitation would include widening and/or raising road embankments, resurfacing, and adding or replacing drainage structures. Most of the community roads have a dedicated 60-foot right-of-way. Any right-of-way and utility conflicts would also be resolved before advertising for a construction contractor.

New construction would include the Landfill Road, extending Delta Street and adding Emmonak Street, 1st, 2nd, 3rd, 6th, 7th, 8th, 9th, and 10th streets to gain access to additional areas for housing (Figure 2). One road connects the east side of the community with the west side. An alternate

Emmonak Road Project
 March 23, 2006
 Page 2

access road is planned by adding 4th Street in the dedicated right-of-way, and extending Yukon Way to connect with Kwiguk Street (see sheet L1). Right-of-way would need to be acquired to extend Yukon Way to connect with Kwiguk Street. The Emmonak Corporation is providing a 100-foot right-of-way for the Landfill Road.

Each road segment was numbered and the community prioritized the segments for construction on a scale from 1 to 10, with 1 the most critical. Funding for the community roads is limited at this time, but may become available in the near future. All the road segments proposed for construction or rehabilitation are listed in the community's order of priority in Table 1 below, and illustrated on Sheet L1. The community preferred to include all listed road segments in this table, in anticipation of additional funding being made available in the future.

Description	Priority Number	Length (Mile)	Road Improvement
RS01 - Landfill Road	1	0.90	New Construction
RS05 - Delta Street (10th St. to Kwiguk St.)	1	0.93	New Construction / Resurface
RS06 - Delta Street (Kwiguk St. to Emmonak Rd.)	1	0.12	Rehabilitation
RS07 - Delta Street (Emmonak Rd. to 1st St.)	1	0.19	New Construction
RS22 - Emmonak Road	2	0.53	Rehabilitation
RS19 - Kwiguk (Delta St. to Emmonak Frontage Rd.)	3	0.12	Rehabilitation
RS20 - Kwiguk (Emmonak Frontage Rd. to 1st St.)	3	0.32	Rehabilitation
RS15 - 3rd Street	4	0.07	New Construction
RS16 - 2nd Street	4	0.07	New Construction
RS17 - 1st Street	4	0.07	New Construction
RS08 - 10th Street	5	0.08	New Construction
RS09 - 9th Street	5	0.07	New Construction
RS10 - 8th Street	5	0.15	New Construction
RS11 - 7th Street	5	0.07	New Construction
RS04 - Emmonak Street	6	0.37	New Construction
RS12 - 6th Street	7	0.07	New Construction
RS13 - 5th Street	7	0.07	Rehabilitation
RS14 - 4th Street	7	0.07	New Construction
RS02 - Yukon Way (10th to 5th)	8	0.64	Resurface
RS03 - Yukon Way (5th to 4th)	8	0.18	New Construction
Total		5.09	

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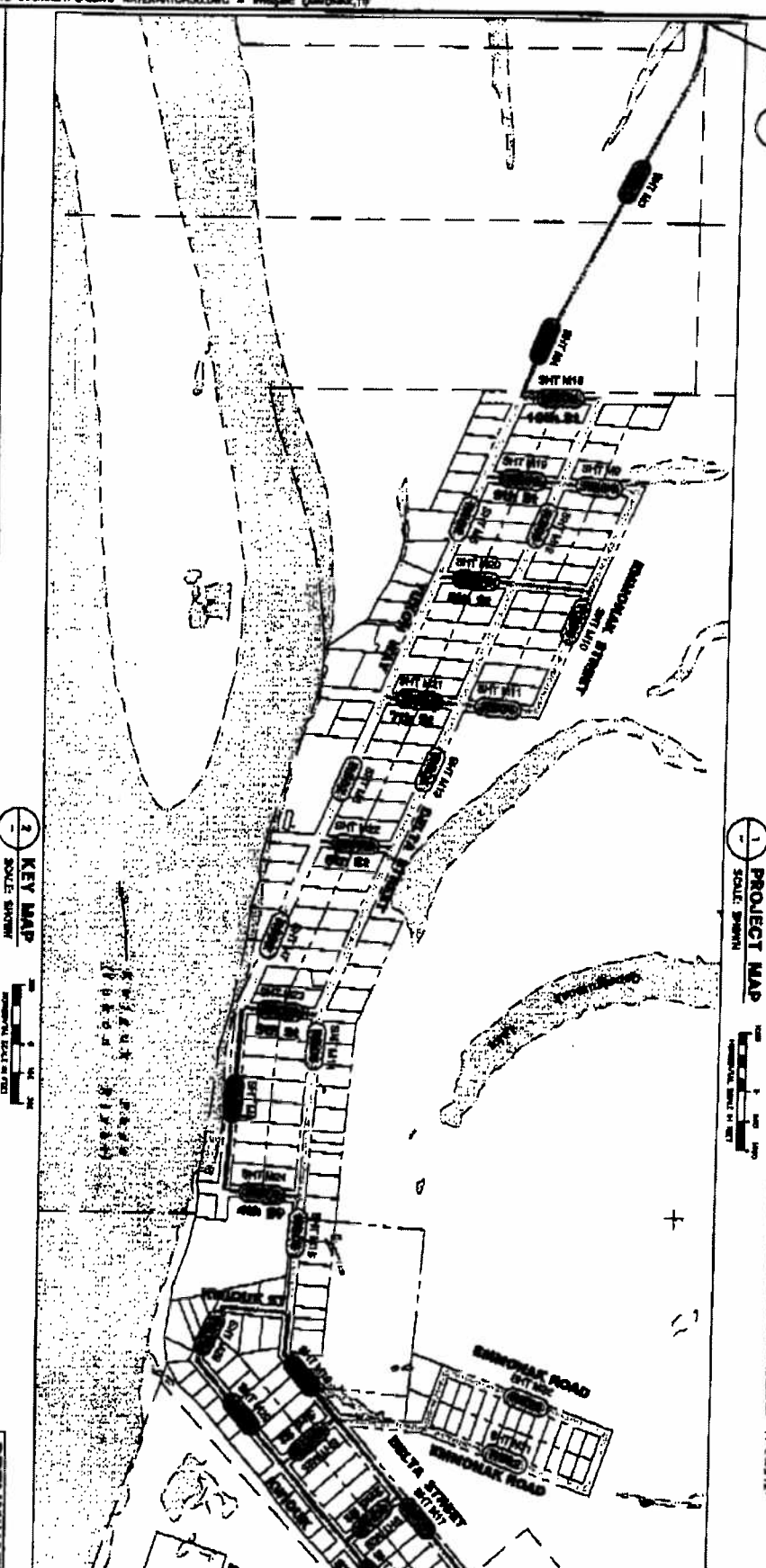


Bristol
 ENVIRONMENTAL & ENGINEERING
 SERVICES CORPORATION
 Project No. 23044



DEPARTMENT OF THE INTERIOR
 BUREAU OF INDIAN AFFAIRS
 ALASKA REGIONAL OFFICE

DATE	04
ROAD DES	DES
KEY	KEY
SCALE	SCALE
REVISION	REVISION
BY	BY
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1 PROJECT MAP
 SCALE SHOWN
 1" = 100'



User: TBAACSGW Mar 23, 2008 - 8:30am
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REVISIONS

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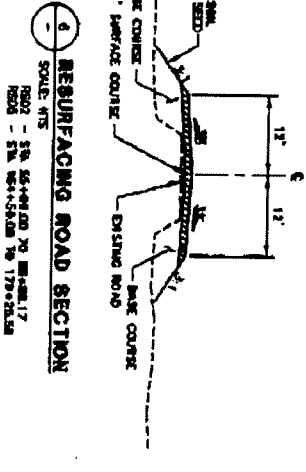
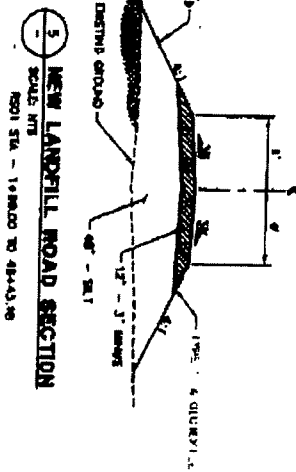
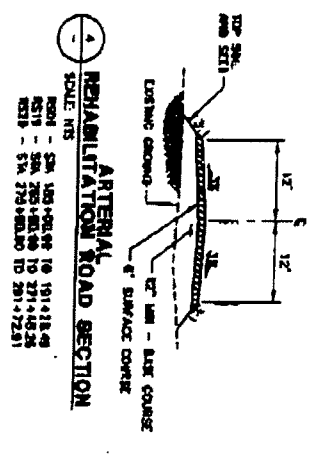
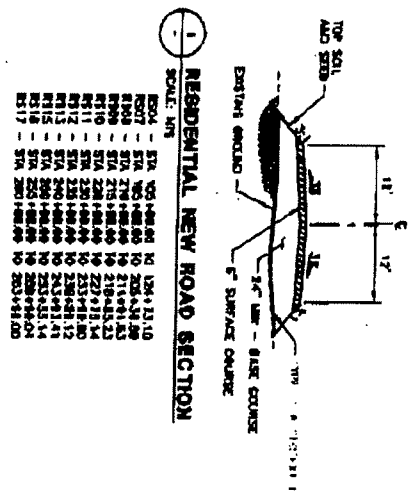
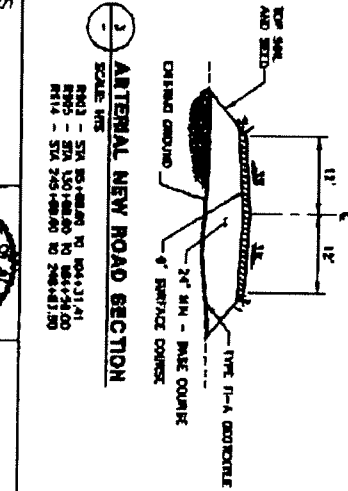
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1. TYPICAL SECTION
2. SCALE: 1" = 1'
3. ALL CHANGES
4. SHADINGS
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PRELIMINARY

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REVISION: 12

DATE: 03/28/2008

BY: TBAACSGW

DESCRIPTION: 12

NO.: 12

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**EMMONAK BIA ROAD PROJECT
PRELIMINARY CONSTRUCTION ESTIMATE**

Base Cost Units

Item No.	Pay Item	Pay Unit	Unit Price	Quantity	Amount
15101	Mobilization and Demobilization	Lump Sum	\$750,000.00	1	\$750,000.00
15201	Construction Surveying and Staking	Lump Sum	\$75,000.00	1	\$75,000.00
15401	Contractor Testing	Lump Sum	\$35,000.00	1	\$35,000.00
15501	Construction Schedule	Lump Sum	\$5,000.00	1	\$5,000.00
15601	Erosion and Pollution Control Administration	Lump Sum	\$20,000.00	1	\$20,000.00
15902	Erosion and Pollution Control	Lump Sum	\$20,000.00	1	\$20,000.00
63301	Temporary Traffic Control	Lump Sum	\$50,000.00	1	\$50,000.00
	Miscellaneous				\$100,000.00
	Subtotal				\$1,055,000.00
	Contingency (20%)				\$211,000.00
	Total				\$1,266,000.00

RS01 - Proposed Landfill Road

Item No.	Pay Item	Pay Unit	Unit Price	Quantity	Amount
20101	Clearing and Grubbing	Acres	\$5,000.00	11.0	\$55,000.00
20401	Roadway Excavation	Cubic Yard	\$15.00	3230.0	\$48,450.00
20402	Select Borrow	Cubic Yard	\$33.00	6000.0	\$330,000.00
20403	Silty Sand	Cubic Yard	\$21.00	30300.0	\$636,300.00
20404	3" Minus	Cubic Yard	\$55.00	4000.0	\$220,000.00
20701	Geotextile Type-IIIa	Square Yard	\$2.00	13700.0	\$27,400.00
30601	Calcium Chloride for Dust Control	Square Yard	\$3.00	11800.0	\$34,800.00
60202	24" Pipe Culvert, 14-Gauge	Linear Foot	\$100.00	802.0	\$80,200.00
60203	48" Pipe Culvert, 14-Gauge	Each	\$400.00	144.0	\$37,600.00
60204	End Section 24" Pipe	Square Yard	\$350.00	24.0	\$5,400.00
62501	Turf Establishment	Square Yard	\$2.00	23570.0	\$47,140.00
63301	Permanent Sign	Square Foot	\$150.00	12.0	\$1,800.00
	Subtotal				\$1,547,090.00
	Total				\$1,547,090.00

RS02 - Yukon Way (10th to 5th)

Item No.	Pay Item	Pay Unit	Unit Price	Quantity	Amount
15001	Utility Relocation	Lump Sum	\$175,000.00	1.0	\$175,000.00
20402	Select Borrow	Cubic Yard	\$55.00	7090.0	\$389,950.00
20405	Driveways	Each	\$2,000.00	40.0	\$80,000.00
30101	Aggregate Surface Course	Cubic Yard	\$85.00	1500.0	\$136,000.00
30301	Road Reconditioning	Station	\$200.00	34.0	\$6,800.00
30601	Calcium Chloride for Dust Control	Square Yard	\$2.00	9040.0	\$18,080.00
60202	24" Pipe Culvert, 14-Gauge	Linear Foot	\$100.00	698.0	\$69,800.00
60204	End Section 24" Pipe	Each	\$350.00	30.0	\$10,500.00
63301	Permanent Sign	Square Foot	\$150.00	5.0	\$750.00
	Subtotal				\$717,720.00
	Contingency (20%)				\$143,544.00
	Total				\$861,264.00

RS03 - Yukon Way (5th to 4th)

Item No.	Pay Item	Pay Unit	Unit Price	Quantity	Amount
15001	Utility Relocation	Lump Sum	\$75,000.00	1.0	\$75,000.00
20101	Clearing and Grubbing	Acres	\$5,000.00	1.5	\$7,500.00
20402	Select Borrow	Cubic Yard	\$55.00	2610.0	\$143,550.00
20405	Driveways	Each	\$2,000.00	8.0	\$16,000.00
20701	Geotextile Type-IIIa	Square Yard	\$2.00	4140	\$8,280.00
30101	Aggregate Surface Course	Cubic Yard	\$85.00	440.0	\$37,400.00
30601	Calcium Chloride for Dust Control	Square Yard	\$3.00	2490.0	\$7,470.00
60202	24" Pipe Culvert, 14-Gauge	Linear Foot	\$100.00	182.0	\$18,200.00
60204	End Section 24" Pipe	Each	\$350.00	6.0	\$2,100.00
62501	Turf Establishment	Square Yard	\$2.00	2780.0	\$5,560.00
	Subtotal				\$246,610.00
	Contingency (20%)				\$49,322.00
	Total				\$295,932.00

**ENMONAK BIA ROAD PROJECT
PRELIMINARY CONSTRUCTION ESTIMATE**

R504 - Emmonak Street					
Item No.	Pay Item	Pay Unit	Unit Price	Quantity	Amount
20102	Clearing and Grubbing	Acre	\$5,000.00	2.5	\$12,500.00
20402	Select Borrow	Cubic Yard	\$55.00	6980.0	\$383,900.00
20701	Geotextile Type-IIIa	Square Yard	\$2.00	8770.0	\$17,540.00
30101	Aggregate Surface Course	Cubic Yard	\$85.00	530.0	\$45,050.00
30801	Calcium Chloride for Dust Control	Square Yard	\$3.00	5280.0	\$15,840.00
60202	24" Pipe Culvert, 14-Gauge	Linear Foot	\$100.00	288.0	\$28,800.00
60204	End Section 24" Pipe	Each	\$380.00	12.0	\$4,560.00
62501	Turf Establishment	Square Yard	\$2.00	3550.0	\$7,100.00
63301	Permanent Sign	Square Foot	\$150.00	38	\$5,700.00
Subtotal					\$554,370.00
Contingency (20%)					\$110,874.00
Total					\$665,244.00

R505 - Delta Street (10th St. to Kwiluk St.)

Item No.	Pay Item	Pay Unit	Unit Price	Quantity	Amount
18001	Utility Relocation	Lump Sum	\$158,400.00	1.0	\$158,400.00
20101	Clearing and Grubbing	Acre	\$5,000.00	7.0	\$35,000.00
20402	Select Borrow	Cubic Yard	\$55.00	13030.0	\$716,650.00
20405	Driveways	Each	\$2,000.00	30.0	\$60,000.00
20701	Geotextile Type-IIIa	Square Yard	\$2.00	15820.0	\$31,640.00
30101	Aggregate Surface Course	Cubic Yard	\$85.00	2330.0	\$198,050.00
30301	Road Reconditioning	Station	\$200.00	14.5	\$2,900.00
30801	Calcium Chloride for Dust Control	Square Yard	\$3.00	13130.0	\$39,390.00
60201	18" Pipe Culvert, 14-Gauge	Linear Foot	\$60.00	32.0	\$1,920.00
60202	24" Pipe Culvert, 14-Gauge	Linear Foot	\$100.00	600.0	\$60,000.00
60204	End Section 24" Pipe	Each	\$380.00	38.0	\$14,360.00
62501	Turf Establishment	Square Yard	\$2.00	7780.0	\$15,560.00
63301	Permanent Sign	Square Foot	\$150.00	25.0	\$3,750.00
Subtotal					\$1,196,050.00
Contingency (20%)					\$239,010.00
Total					\$1,434,060.00

R506 - Delta Street (Kwiluk St. to Emmonak Rd.)

Item No.	Pay Item	Pay Unit	Unit Price	Quantity	Amount
18001	Utility Relocation	Lump Sum	\$36,200.00	1.0	\$36,200.00
20402	Select Borrow	Cubic Yard	\$55.00	1480.0	\$80,900.00
20405	Driveways	Each	\$2,000.00	4.0	\$8,000.00
30101	Aggregate Surface Course	Cubic Yard	\$85.00	300.0	\$25,500.00
30301	Road Reconditioning	Station	\$200.00	6.5	\$1,300.00
30801	Calcium Chloride for Dust Control	Square Yard	\$3.00	1680.0	\$5,040.00
60201	18" Pipe Culvert, 14-Gauge	Linear Foot	\$60.00	42.0	\$2,520.00
60202	24" Pipe Culvert, 14-Gauge	Linear Foot	\$100.00	181.0	\$18,100.00
60204	End Section 24" Pipe	Each	\$380.00	8.0	\$3,040.00
63301	Permanent Sign	Square Foot	\$150.00	5.0	\$750.00
Subtotal					\$130,800.00
Contingency (20%)					\$27,920.00
Total					\$157,620.00

**EMMONAK BIA ROAD PROJECT
PRELIMINARY CONSTRUCTION ESTIMATE**

R507 - Delta Street (Emmonak Rd. to 1st St.)

Item No.	Pay Item	Pay Unit	Unit Price	Quantity	Amount
18001	Utility Relocation	Lump Sum	\$15,000.00	1.0	\$15,000.00
20101	Clearing and Grubbing	Acre	\$5,000.00	1.5	\$7,500.00
20402	Select Borrow	Cubic Yard	\$65.00	4010.0	\$220,550.00
20701	Geotextile Type-IIA	Square Yard	\$2.00	4560.0	\$9,120.00
30101	Aggregate Surface Course	Cubic Yard	\$65.00	480.0	\$31,200.00
30601	Calcium Chloride for Dust Control	Square Yard	\$3.00	2750.0	\$8,250.00
60202	24" Pipe Culvert, 14-Gauge	Linear Foot	\$100.00	181.0	\$18,100.00
60204	End Section 24" Pipe	Each	\$300.00	8.0	\$2,400.00
62501	Turf Establishment	Square Yard	\$2.00	1850.0	\$3,700.00
63301	Permanent Sign	Square Foot	\$150.00	7.0	\$1,050.00
Subtotal					\$312,710.00
Contingency (20%)					\$62,542.00
Total					\$375,252.00

R508 - 18th Street

Item No.	Pay Item	Pay Unit	Unit Price	Quantity	Amount
20101	Clearing and Grubbing	Acre	\$5,000.00	0.5	\$2,500.00
20402	Select Borrow	Cubic Yard	\$55.00	1130.0	\$62,150.00
20701	Geotextile Type-IIA	Square Yard	\$2.00	1750.0	\$3,500.00
30101	Aggregate Surface Course	Cubic Yard	\$65.00	180.0	\$11,700.00
30601	Calcium Chloride for Dust Control	Square Yard	\$3.00	1070.0	\$3,210.00
60202	24" Pipe Culvert, 14-Gauge	Linear Foot	\$100.00	57.0	\$5,700.00
60204	End Section 24" Pipe	Each	\$350.00	2.0	\$700.00
62501	Turf Establishment	Square Yard	\$2.00	780.0	\$1,560.00
63301	Permanent Sign	Square Foot	\$150.00	13	\$1,950.00
Subtotal					\$97,500.00
Contingency (20%)					\$19,500.00
Total					\$117,000.00

R509 - 9th Street

Item No.	Pay Item	Pay Unit	Unit Price	Quantity	Amount
18001	Utility Relocation	Lump Sum	\$5,000.00	1.0	\$5,000.00
20101	Clearing and Grubbing	Acre	\$5,000.00	0.5	\$2,500.00
20402	Select Borrow	Cubic Yard	\$55.00	1400.0	\$77,000.00
20701	Geotextile Type-IIA	Square Yard	\$2.00	1710.0	\$3,420.00
30101	Aggregate Surface Course	Cubic Yard	\$65.00	180.0	\$11,700.00
30601	Calcium Chloride for Dust Control	Square Yard	\$3.00	1020.0	\$3,060.00
60202	24" Pipe Culvert, 14-Gauge	Linear Foot	\$100.00	102.0	\$10,200.00
60204	End Section 24" Pipe	Each	\$350.00	4.0	\$1,400.00
62501	Turf Establishment	Square Yard	\$2.00	830.0	\$1,660.00
63301	Permanent Sign	Square Foot	\$150.00	13.0	\$1,950.00
Subtotal					\$114,570.00
Contingency (20%)					\$22,914.00
Total					\$137,484.00

**EMMONAK BIA ROAD PROJECT
PRELIMINARY CONSTRUCTION ESTIMATE**

RS10 - 8th Street

Item No.	Pay Item	Pay Unit	Unit Price	Quantity	Amount
18001	Utility Relocation	Lump Sum	\$8,400.00	1.0	\$8,400.00
20101	Clearing and Grubbing	Acre	\$5,000.00	1.0	\$5,000.00
20402	Select Borrow	Cubic Yard	\$85.00	8750.0	\$181,250.00
20701	Geotextile Type-IIIa	Square Yard	\$2.00	3450.0	\$6,900.00
30101	Aggregate Surface Course	Cubic Yard	\$85.00	370.0	\$31,450.00
30601	Calcium Chloride for Dust Control	Square Yard	\$3.00	2070.0	\$6,210.00
60202	24" Pipe Culvert, 14-Gauge	Linear Foot	\$100.00	218.0	\$21,800.00
60204	End Section 24" Pipe	Each	\$350.00	8.0	\$2,800.00
62501	Turf Establishment	Square Yard	\$2.00	1630.0	\$3,260.00
63301	Permanent Sign	Square Foot	\$150.00	25.0	\$3,750.00
Subtotal					\$225,510.00
Contingency (20%)					\$45,102.00

Total \$274,212.00

RE11 - 7th Street

Item No.	Pay Item	Pay Unit	Unit Price	Quantity	Amount
18001	Utility Relocation	Lump Sum	\$40,800.00	1.0	\$40,800.00
20101	Clearing and Grubbing	Acre	\$5,000.00	0.8	\$4,000.00
20402	Select Borrow	Cubic Yard	\$55.00	1480.0	\$80,300.00
20405	Driveways	Each	\$2,000.00	1.0	\$2,000.00
20701	Geotextile Type-IIIa	Square Yard	\$2.00	1740.0	\$3,480.00
30101	Aggregate Surface Course	Cubic Yard	\$85.00	180.0	\$15,300.00
30601	Calcium Chloride for Dust Control	Square Yard	\$3.00	1040.0	\$3,120.00
60202	24" Pipe Culvert, 14-Gauge	Linear Foot	\$100.00	84.0	\$8,400.00
60204	End Section 24" Pipe	Each	\$300.00	4.0	\$1,200.00
62501	Turf Establishment	Square Yard	\$2.00	880.0	\$1,760.00
63301	Permanent Sign	Square Foot	\$150.00	13	\$1,950.00

Subtotal \$121,210.00
Contingency (20%) \$24,242.00

Total \$145,452.00

RS12 - 6th Street

Item No.	Pay Item	Pay Unit	Unit Price	Quantity	Amount
18001	Utility Relocation	Lump Sum	\$77,800.00	1.0	\$77,800.00
20101	Clearing and Grubbing	Acre	\$5,000.00	0.5	\$2,500.00
20402	Select Borrow	Cubic Yard	\$55.00	1680.0	\$91,300.00
20405	Driveways	Each	\$2,000.00	1.0	\$2,000.00
20701	Geotextile Type-IIIa	Square Yard	\$2.00	1730.0	\$3,460.00
30101	Aggregate Surface Course	Cubic Yard	\$85.00	170.0	\$14,450.00
30601	Calcium Chloride for Dust Control	Square Yard	\$3.00	1040.0	\$3,120.00
60202	24" Pipe Culvert, 14-Gauge	Linear Foot	\$100.00	97.0	\$9,700.00
60204	End Section 24" Pipe	Each	\$300.00	4.0	\$1,200.00
62501	Turf Establishment	Square Yard	\$2.00	780.0	\$1,560.00
63301	Permanent Sign	Square Foot	\$150.00	13	\$1,950.00

Subtotal \$131,400.00
Contingency (20%) \$26,280.00

Total \$157,680.00

**EMMONAK BIA ROAD PROJECT
PRELIMINARY CONSTRUCTION ESTIMATE**

RS13 - 8th Street

Item No.	Pay Item	Pay Unit	Unit Price	Quantity	Amount
18001	Utility Relocation	Lump Sum	\$20,000.00	1.0	\$20,000.00
20101	Clearing and Grubbing	Acre	\$5,000.00	0.5	\$2,500.00
20402	Select Borrow	Cubic Yard	\$55.00	1180.0	\$61,800.00
20405	Driveways	Each	\$2,000.00	1.0	\$2,000.00
20701	Geotextile Type-IIIa	Square Yard	\$2.00	1750.0	\$3,500.00
30101	Aggregate Surface Course	Cubic Yard	\$85.00	180.0	\$15,300.00
30601	Calcium Chloride for Dust Control	Square Yard	\$3.00	1050.0	\$3,150.00
60201	18" Pipe Culvert, 14-Gauge	Linear Foot	\$80.00	16.0	\$1,280.00
60202	24" Pipe Culvert, 14-Gauge	Linear Foot	\$100.00	85.0	\$8,500.00
60204	End Section 24" Pipe	Each	\$350.00	4.0	\$1,400.00
62501	Turf Establishment	Square Yard	\$2.00	880.0	\$1,720.00
63301	Permanent Sign	Square Foot	\$150.00	13.0	\$1,950.00
Subtotal					\$101,800.00
Contingency (20%)					\$20,360.00
Total					\$122,160.00

RS14 - 4th Street

Item No.	Pay Item	Pay Unit	Unit Price	Quantity	Amount
18001	Utility Relocation	Lump Sum	\$66,600.00	1.0	\$66,600.00
20101	Clearing and Grubbing	Acre	\$5,000.00	0.5	\$2,500.00
20402	Select Borrow	Cubic Yard	\$55.00	1620.0	\$89,100.00
20701	Geotextile Type-IIIa	Square Yard	\$2.00	1700.0	\$3,400.00
30101	Aggregate Surface Course	Cubic Yard	\$85.00	180.0	\$15,300.00
30601	Calcium Chloride for Dust Control	Square Yard	\$3.00	1020.0	\$3,060.00
60202	24" Pipe Culvert, 14-Gauge	Linear Foot	\$100.00	104.0	\$10,400.00
60204	End Section 24" Pipe	Each	\$350.00	4.0	\$1,400.00
62501	Turf Establishment	Square Yard	\$2.00	830.0	\$1,660.00
63301	Permanent Sign	Square Foot	\$150.00	13.0	\$1,950.00
Subtotal					\$129,820.00
Contingency (20%)					\$25,964.00
Total					\$155,784.00

RS15 - 3rd Street

Item No.	Pay Item	Pay Unit	Unit Price	Quantity	Amount
18001	Utility Relocation	Lump Sum	\$21,000.00	1.0	\$21,000.00
20101	Clearing and Grubbing	Acre	\$5,000.00	0.5	\$2,500.00
20402	Select Borrow	Cubic Yard	\$55.00	820.0	\$45,100.00
20701	Geotextile Type-IIIa	Square Yard	\$2.00	1580.0	\$3,160.00
30101	Aggregate Surface Course	Cubic Yard	\$85.00	170.0	\$14,450.00
30601	Calcium Chloride for Dust Control	Square Yard	\$3.00	950.0	\$2,850.00
60202	24" Pipe Culvert, 14-Gauge	Linear Foot	\$100.00	40.0	\$4,000.00
60204	End Section 24" Pipe	Each	\$350.00	2.0	\$700.00
62501	Turf Establishment	Square Yard	\$2.00	630.0	\$1,260.00
63301	Permanent Sign	Square Foot	\$150.00	13.0	\$1,950.00
Subtotal					\$74,020.00
Contingency (20%)					\$14,804.00
Total					\$88,824.00

RS16 - 2nd Street

Item No.	Pay Item	Pay Unit	Unit Price	Quantity	Amount
18001	Utility Relocation	Lump Sum	\$8,200.00	1.0	\$8,200.00
20101	Clearing and Grubbing	Acre	\$5,000.00	0.5	\$2,500.00
20402	Select Borrow	Cubic Yard	\$55.00	1160.0	\$63,800.00
20701	Geotextile Type-IIIa	Square Yard	\$2.00	1600.0	\$3,200.00
30101	Aggregate Surface Course	Cubic Yard	\$85.00	170.0	\$14,450.00
30601	Calcium Chloride for Dust Control	Square Yard	\$3.00	960.0	\$2,880.00
62501	Turf Establishment	Square Yard	\$2.00	870.0	\$1,740.00
63301	Permanent Sign	Square Foot	\$150.00	13.0	\$1,950.00
Subtotal					\$88,170.00
Contingency (20%)					\$17,634.00
Total					\$105,804.00

**EMMONAK BIA ROAD PROJECT
PRELIMINARY CONSTRUCTION ESTIMATE**

RS17 - 1st Street

Item No.	Pay Item	Pay Unit	Unit Price	Quantity	Amount
16001	Utility Relocation	Lump Sum	\$36,000.00	1.0	\$36,000.00
20101	Clearing and Grubbing	Acre	\$6,000.00	0.5	\$3,000.00
20402	Select Borrow	Cubic Yard	\$55.00	1210.0	\$66,550.00
20701	Geotextile Type-IIIa	Square Yard	\$2.00	1600.0	\$3,200.00
30101	Aggregate Surface Course	Cubic Yard	\$85.00	170.0	\$14,450.00
30601	Calcium Chloride for Dust Control	Station	\$3.00	960.0	\$2,880.00
60202	24" Pipe Culvert, 14-Gauge	Linear Foot	\$100.00	48.0	\$4,800.00
60204	End Section 24" Pipe	Each	\$350.00	2.0	\$700.00
62501	Turf Establishment	Square Yard	\$2.00	700.0	\$1,400.00
63301	Permanent Sign	Square Foot	\$150.00	13.0	\$1,950.00
Subtotal					\$96,280.00
Contingency (20%)					\$19,256.00
Total					\$115,536.00

RS18 - Kwikwik (Delta St. to Emmonak Frontage Rd.)

Item No.	Pay Item	Pay Unit	Unit Price	Quantity	Amount
16001	Utility Relocation	Lump Sum	\$59,800.00	1.0	\$59,800.00
20402	Select Borrow	Cubic Yard	\$55.00	2140.0	\$117,700.00
20405	Driveways	Each	\$2,000.00	3.0	\$6,000.00
30101	Aggregate Surface Course	Cubic Yard	\$85.00	310.0	\$26,550.00
30301	Road Reconditioning	Station	\$200.00	6.5	\$1,300.00
30601	Calcium Chloride for Dust Control	Square Yard	\$3.00	1730.0	\$5,190.00
60202	24" Pipe Culvert, 14-Gauge	Linear Foot	\$100.00	122.0	\$12,200.00
60204	End Section 24" Pipe	Each	\$350.00	8.0	\$2,800.00
63301	Permanent Sign	Square Foot	\$150.00	48.0	\$7,200.00
Subtotal					\$189,740.00
Contingency (20%)					\$37,948.00
Total					\$227,688.00

RS20 - Kwikwik (Emmonak Frontage Rd. to 1st St.)

Item No.	Pay Item	Pay Unit	Unit Price	Quantity	Amount
16001	Utility Relocation	Lump Sum	\$68,200.00	1.0	\$68,200.00
20402	Select Borrow	Cubic Yard	\$55.00	4300.0	\$236,500.00
20405	Driveways	Each	\$2,000.00	17.0	\$34,000.00
30101	Aggregate Surface Course	Cubic Yard	\$85.00	790.0	\$67,150.00
30301	Road Reconditioning	Station	\$200.00	16.5	\$3,300.00
30601	Calcium Chloride for Dust Control	Square Yard	\$3.00	4470.0	\$13,410.00
60202	24" Pipe Culvert, 14-Gauge	Linear Foot	\$100.00	134.0	\$13,400.00
60204	End Section 24" Pipe	Each	\$350.00	6.0	\$2,100.00
63301	Permanent Sign	Square Foot	\$150.00	15.0	\$2,250.00
Subtotal					\$367,760.00
Contingency (20%)					\$73,552.00
Total					\$441,312.00

RS22 - Emmonak Road

Item No.	Pay Item	Pay Unit	Unit Price	Quantity	Amount
16001	Utility Relocation	Lump Sum	\$30,000.00	1.0	\$30,000.00
20402	Select Borrow	Cubic Yard	\$55.00	7820.0	\$430,100.00
20405	Driveways	Each	\$4,000.00	22.0	\$88,000.00
30101	Aggregate Surface Course	Cubic Yard	\$85.00	1320.0	\$112,200.00
30301	Road Reconditioning	Station	\$200.00	28.0	\$5,600.00
30601	Calcium Chloride for Dust Control	Square Yard	\$3.00	7470.0	\$22,410.00
60202	24" Pipe Culvert, 14-Gauge	Linear Foot	\$100.00	612.0	\$61,200.00
60204	End Section 24" Pipe	Each	\$350.00	28.0	\$9,800.00
63301	Permanent Sign	Square Foot	\$150.00	34.0	\$5,100.00
Subtotal					\$681,010.00
Contingency (20%)					\$136,202.00
Total					\$817,212.00

Total \$9,490,910.00